

IN THE CLAIMS:

Please cancel Claims 1-11, without prejudice to or disclaimer of the subject matter recited therein.

Please amend Claim 12, as follows.

1-11. (Canceled)

12. (Currently Amended) An optical scale having molded by using movable and fixed platens comprising:

a reflecting portion for reflecting light emitted from a light-emitting means portion of a sensor having the light-emitting portion and a light-receiving portion and returning the light to the light-receiving portion; and for leading the reflected light to a light-receiving means by using a total reflection; and

a shaft holding portion for holding a shaft and rotating said optical scale with the shaft,

wherein said reflection portion is disposed only on the same side surface with said a shaft holding portion of said optical scale, which holds a shaft for rotating said optical scale; and said reflecting portion and said shaft holding portion are integrally molded formed in one piece by using one of the movable platen and the fixed platen by employing one kind of transparent resin material; said reflecting portion is constructed so as to reflect an incident light ray by an internal total reflection, and said shaft holding portion and said reflecting portion are molded by molding portions arranged on a single surface side of the mold.

13. (Previously Presented) A scale according to claim 12, wherein said shaft holding portion has a closed-end concave portion fitted on the shaft for rotating said optical scale, and a gate for injecting the resin material during molding is disposed in the closed-end concave portion.

14. (Previously Presented) A scale according to claim 12, wherein said shaft holding portion has a convex portion to be fitted to the shaft for rotating said optical scale, and a gate for injecting the resin material during molding is disposed at the convex portion.

15. (Previously Presented) A scale according to claim 12, wherein said shaft holding portion is coupled to a bearing inner ring portion for rotatably holding said optical scale.

16. (Previously Presented) An optical encoder using said optical scale defined in claim 12, comprising:

a bearing for rotatably supporting said optical scale; and  
a holding member for holding said bearing and said sensor.